

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A printer, which is connected to a computer via a network, comprising:

transfer means for exchanging information with said computer via said network;

storage means for storing a document file to be printed that is received from said computer via said transfer means;

configuration file generation means for employing print setup information in said document file, which is received from said computer via said transfer means, to generate a configuration file concerning a print setup for said document file;

print setup reference means for employing said configuration file to generate a menu indicating contents of said print setup, and for transmitting said menu via said transfer means to said computer;

printing means for printing said document file that is stored in said storage means in accordance with said configuration file; and

setup change means for, when said computer operates said menu via said transfer means, updating contents of said print setup in accordance with the operation,

wherein said menu includes upper directories that are generated for individual entries in said print setup, and lower directories that are generated for individual setup values, one of

which is included in each of said entries, and wherein said menu is formed by correlating visual display elements corresponding to said document file with said lower directories.

2. (previously presented) A printer according to claim 1, wherein, when said computer operates said menu via said transfer means, said setup change means updates contents of said configuration file in accordance with the operation.

Claim 3 (canceled)

4. (currently amended) A method for controlling a printer, which is connected to a computer via a network, comprising steps of:

receiving, from said computer via said network, a document file to be printed and print setup information for said document file;

storing said document file in said printer;

employing said print setup information to generate, in said printer, a configuration file concerning a print setup for said document file;

employing said configuration file to generate, in said printer, a menu that listing contents of said print setup, and transmitting said menu to said computer; and

printing said document file in accordance with said configuration file,

wherein, when said computer operates said menu, contents of said print setup are updated in accordance with the operation, and

wherein said menu includes upper directories that are generated for individual entries in said print setup, and lower directories that are generated for individual setup values, one of

which is included in each of said entries, and wherein said menu is formed by correlating visual display elements corresponding to said document file with said lower directories.

5. (currently amended) A computer-readable recording medium on which a control program is stored for a printer that is connected to a computer via a network, said program permitting said printer to perform:

a transfer function for exchanging information with said computer via said network;

a storage function for storing to a storage device in said printer, a document file to be printed that is received from said computer;

a configuration file generation function, for employing print setup information in said document file, which is received from said computer, to generate, in said printer, a configuration file concerning a print setup for said document file;

a print setup reference function, for employing said configuration file to generate, in said printer, a menu indicating contents of said print setup, and for transmitting said menu from said printer to said computer;

a setup change function for, when said computer operates said menu via said transfer function, updating contents of said print setup; and

a printing function for printing said document file that is stored in said storage device in accordance with said configuration file,

wherein said menu includes upper directories that are generated for individual entries in said print setup, and lower directories that are generated for individual setup values, one of

which is included in each of said entries, and wherein said menu is formed by correlating visual display elements corresponding to said document file with said lower directories.

6. (previously presented) A recording medium according to claim 5, wherein, when said computer operates said menu, said setup change function updates the contents of said configuration file in accordance with the operation.

Claim 7 (canceled)

8. (currently amended) A network printing system comprising:

a host computer for generating and transmitting print data; and

a printer that is connected via a network to said host computer,

said host computer comprising:

user interface means for providing information for a user and for accepting instructions from said user;

print data generation means for converting, into print data, a file that is designated via said user interface means; and

communication means for communicating with said printer; and

said printer comprising:

transfer means for exchanging information with said host computer via said network;

storage means for storing said print data received from said host computer via said transfer means;

configuration file generation means for employing print setup information for said print data, which are received from said host computer via said transfer means, to generate a configuration file concerning a print setup for said print data;

print setup reference means for employing said configuration file to generate a menu listing the contents of said print setup, and for transmitting said menu via said transfer means to said user interface means;

setup change means for, when said computer operates said menu via said transfer means, updating contents of said print setup; and

print means for printing, in accordance with said configuration file, said print data stored in said storage means,

wherein said menu includes upper directories that are generated for individual entries in said print setup, and lower directories that are generated for individual setup values, one of which is included in each of said entries, and wherein said menu is formed by correlating visual display elements corresponding to said document file with said lower directories.

9. (previously presented) A network printing system according to claim 8, wherein, when said computer operates said menu via said transfer means, said setup change means updates the contents of said configuration file in accordance with the operation.

10. (currently amended) A network printing system according to claim 9, wherein, when said host computer moves said print data included in said menu to a different printer via said user interface means, ~~the first printer to receive said print data transmits to said different printer said~~

~~print data stored in said storage means~~ said printer transmits said print data stored in said storage means directly to said different printer.

Claim 11 (canceled)

12. (currently amended) A network printing system comprising:

a computer having a file transfer protocol client for transmitting a document file to be printed in accordance with a file transfer protocol; and

a printer being connected to said computer via a network and having a file transfer protocol file server, said file transfer protocol file server comprising:

storage means for storing said document file that is received;

configuration file generation means for employing print setup information in said document file and an initial value that is set in advance to generate a configuration file concerning a print setup for said document file;

print setup reference means for employing said configuration file to generate a menu that lists the contents of said print setup, and for transmitting said menu to said computer; and

setup change means for, when said menu is operated by said computer, updating the contents of said print setup in accordance with an operation,

wherein said document file stored in said storage means is printed in accordance with said configuration file, and

wherein said menu includes upper directories that are generated for individual entries in said print setup, and lower directories that are generated for individual setup values, one of

which is included in each of said entries, and wherein said menu is formed by correlating visual display elements corresponding to said document file with said lower directories.

13. (currently amended) A printer, which is connected to a computer via a network, comprising:

a file transfer unit that exchanges information with said computer via said network;

a storage unit that stores a document file to be printed that is received from said computer via said file transfer unit;

a configuration file generator that employs print setup information in said document file, which is received from said computer via said file transfer unit, to generate a configuration file concerning a print setup for said document file;

a print setup reference unit that employs said configuration file to generate a menu indicating contents of said print setup, and for transmitting said menu via said file transfer unit to said computer;

a setup change unit that updates contents of said print setup when said computer operates said menu via said file transfer unit, and

a printing unit that prints said document file that is stored in said storage unit in accordance with said configuration file,

wherein said menu includes upper directories that are generated for individual entries in said print setup, and lower directories that are generated for individual setup values, one of which is included in each of said entries, and wherein said menu is formed by correlating visual display elements corresponding to said document file with said lower directories.

14. (currently amended) A network printing system comprising:
- a host computer for generating and transmitting print data; and
 - a printer that is connected via a network to said host computer,
- said host computer comprising:
- a user interface that provides information to a user and for accepting instructions from said user;
 - a print data generator that converts, into print data, a file that is designated via said user interface; and
 - a communication unit that communicates with said printer; and
- said printer comprising:
- a file transfer unit that exchanges information with said host computer via said network;
 - a storage unit that stores said print data received from said host computer, as a document file, via said file transfer unit;
 - a configuration file generator that employs print setup information ~~for said print data in~~ said document file, which are received from said host computer via said file transfer unit, to generate a configuration file concerning a print setup for said ~~print data~~ document file;
 - a print setup reference unit that employs said configuration file to generate a menu listing the contents of said print setup, and for transmitting said menu via said file transfer unit to said user interface;
 - a setup change unit that updates contents of said print setup when said computer operates said menu via said file transfer unit, and

a printing unit that prints, in accordance with said configuration file, said ~~print~~
~~data~~document file stored in said storage unit,

wherein said menu includes upper directories that are generated for individual entries in
said print setup, and lower directories that are generated for individual setup values, one of
which is included in each of said entries, and wherein said menu is formed by correlating visual
display elements corresponding to said document file with said lower directories.

15. (currently amended) A network printing system comprising:

a computer having a file transfer protocol client for transmitting a document file to be
printed in accordance with a file transfer protocol; and

a printer being connected to said computer via a network and having a file transfer
protocol file server, said file transfer protocol file server comprising:

a storage unit that stores said document file that is received;

a configuration file generator that employs print setup information in said document file
and an initial value that is set in advance to generate a configuration file concerning a print setup
for said document file;

a print setup reference unit that employs said configuration file to generate a menu that
lists the contents of said print setup, and for transmitting said menu to said computer; and

a setup change unit that, when said menu is operated by said computer, updates the
contents of said print setup in accordance with an operation,

wherein said document file stored in said storage unit is printed in accordance with said
configuration file, and

wherein said menu includes upper directories that are generated for individual entries in said print setup, and lower directories that are generated for individual setup values, one of which is included in each of said entries, and wherein said menu is formed by correlating visual display elements corresponding to said document file with said lower directories.

16. (currently amended) A printer, which is connected to a computer via a network, comprising:

a file transfer unit that exchanges information with said computer via said network;

a storage unit that stores a document file to be printed that is received from said computer via said file transfer unit; and

a controller,

wherein said controller employs print setup information in a document file, which is received from said computer via said file transfer unit, to generate a configuration file concerning a print setup for said document file;

wherein said controller employs said configuration file to generate a menu indicating contents of said print setup information, and transmits said menu via said file transfer unit to said computer,

wherein said controller updates contents of said print setup when said computer operates said menu via said file transfer unit, ~~and~~

wherein said controller controls printing of said document file, that is stored in said storage unit, in accordance with said configuration file, and

wherein said menu includes upper directories that are generated for individual entries in said print setup, and lower directories that are generated for individual setup values, one of which is included in each of said entries, and wherein said menu is formed by correlating visual display elements corresponding to said document file with said lower directories.

17. (currently amended) A network printing system comprising:

a host computer for generating and transmitting print data; and

a printer that is connected via a network to said host computer,

said host computer comprising:

a user interface that provides information to a user and for accepting instructions from said user;

a print data generator that converts, into print data, a file that is designated via said user interface; and

a communication unit that communicates with said printer; and

said printer comprising:

a file transfer unit that exchanges information with said host computer via said network;

a storage unit that stores said print data received from said host computer, as a document file, via said file transfer unit; and

a controller,

wherein said controller employs print setup information ~~for in~~ for in said ~~print data~~ document ~~file~~, which are received from said host computer via said file transfer unit, to generate a configuration file concerning a print setup for said ~~print data~~ document file,

wherein said controller employs said configuration file to generate a menu listing the contents of said print setup, and transmits said menu via said file transfer unit to said user interface,

wherein said controller updates contents of said print setup when said computer operates said menu via said file transfer unit, ~~and~~

wherein said controller controls printing, in accordance with said configuration file, of said ~~print data~~document file stored in said storage unit, and

wherein said menu includes upper directories that are generated for individual entries in said print setup, and lower directories that are generated for individual setup values, one of which is included in each of said entries, and wherein said menu is formed by correlating visual display elements corresponding to said document file with said lower directories.

18. (currently amended) A network printing system comprising:

a computer having a file transfer protocol client for transmitting a document file to be printed in accordance with a file transfer protocol; and

a printer being connected to said computer via a network and having a file transfer protocol file server, said file transfer protocol file server comprising:

a storage unit that stores said document file that is received; and

a controller,

wherein said controller employs print setup information in said document file and an initial value that is set in advance, to generate a configuration file concerning a print setup for said document file;

wherein said controller employs said configuration file to generate a menu that lists the contents of said print setup, and transmits said menu to said computer;

wherein said controller updates the contents of said print setup in accordance with an operation when said menu is operated by said computer, ~~and~~

wherein said document file stored in said storage unit is printed in accordance with said configuration file, and

wherein said menu includes upper directories that are generated for individual entries in said print setup, and lower directories that are generated for individual setup values, one of which is included in each of said entries, and wherein said menu is formed by correlating visual display elements corresponding to said document file with said lower directories.

19. (new) The printer according to claim 3, wherein at least one of said individual entries corresponds to at least one printer.

20. (new) The recording medium according to claim 7, wherein at least one of said individual entries corresponds to at least one printer.